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OM protein - protein search, using sw model

Run on: July 21, 2003, 08:35:34 ; Search time 14 Seconds
(without alignments)
468.665 Million cell updates/sec

Title: US-09-459-573-10
Perfect score: 1135
Sequence: 1 MMQLVHLFMDIETMDPLHAV.....IGAIIGVFALRIYEGVTQR 223

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents AA.*

1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep.*

2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep.*

3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep.*

4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*

5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep.*

6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	179	15.8	224	4	US-09-134-001C-4608
2	126.5	11.1	205	4	US-09-396-357-2
3	93.5	8.2	153	2	US-08-476-254-7
4	93.5	8.2	153	6	5474933-4
5	90	7.9	173	4	US-09-134-001C-4026
6	82	7.2	206	4	US-09-134-001C-3929
7	81	7.1	222	1	US-07-732-242C-7
8	79.5	7.0	525	4	US-09-351-224E-8
9	77.5	6.8	498	4	US-09-103-754A-5
10	75.5	6.7	348	4	US-09-134-001C-4857
11	75.5	6.7	617	1	US-07-879-617A-11
12	75.5	6.7	617	1	US-08-301-722A-3
13	75.5	6.7	617	1	US-08-240-783B-3
14	75.5	6.7	617	1	US-08-753-985-11
15	75.5	6.7	617	1	US-09-084-813-3
16	75.5	6.7	617	5	PCT-US92-09662-3
17	75.5	6.7	620	1	US-08-301-722A-2
18	74.5	6.6	405	4	US-09-255-984-2
19	74.5	6.6	619	1	US-07-762-132A-2
20	74.5	6.6	619	1	US-08-301-722A-4
21	74.5	6.6	729	4	US-09-231-522-29
22	73.5	6.5	1040	4	US-09-134-001C-5365
23	73	6.4	243	4	US-09-134-001C-2961
24	73	6.4	1495	4	US-08-462-467B-12
25	72.5	6.4	395	3	US-08-981-825-6
26	72.5	6.4	395	4	US-09-480-784-6
27	72	6.3	440	4	US-09-071-035-370

28 72 6.3 737 4 US-09-291-922-8 Sequence 8, Appli
29 72 6.3 1996 2 US-08-804-227C-9 Sequence 9, Appli
30 72 6.3 1996 2 US-08-804-198-3 Sequence 3, Appli
31 71.5 6.3 298 1 US-08-118-270-76 Sequence 76, Appli
32 71.5 6.3 298 5 PCT-US93-08528-76 Sequence 76, Appli
33 71.5 6.3 343 2 US-08-788-539A-2 Sequence 2, Appli
34 71.5 6.3 349 4 US-09-134-001C-4519 Sequence 4519, Ap
35 71.5 6.3 441 4 US-09-522-666-4 Sequence 4, Appli
36 71.5 6.3 493 2 US-09-031-392-10 Sequence 10, Appli
37 71.5 6.3 493 4 US-09-299-549-10 Sequence 10, Appli
38 71.5 6.3 493 4 US-09-610-417-10 Sequence 10, Appli
39 71 6.3 518 4 US-09-134-001C-4744 Sequence 4744, Ap
40 70.5 6.2 191 4 US-09-134-001C-5345 Sequence 5345, Ap
41 70.5 6.2 348 4 US-09-134-001C-2874 Sequence 2874, Ap
42 70.5 6.2 424 4 US-09-134-001C-5009 Sequence 5009, Ap
43 70.5 6.2 494 2 US-09-031-392-5 Sequence 5, Appli
44 70.5 6.2 494 4 US-09-299-549-5 Sequence 5, Appli
45 70.5 6.2 494 4 US-09-610-417-5 Sequence 5, Appli

ALIGNMENTS

RESULT 1

US-09-134-001C-4608
; Sequence 4608, Application US/09134001C
; Patent No. 6380370

; GENERAL INFORMATION:

; APPLICANT: Lynn Doucette-Stamm et al

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC

; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: GTC-007

; CURRENT APPLICATION NUMBER: US/09/134.001C

; CURRENT FILING DATE: 1998-08-13

; PRIOR APPLICATION NUMBER: US 60/064, 964

; PRIOR FILING DATE: 1997-11-08

; PRIOR APPLICATION NUMBER: US 60/055, 779

; PRIOR FILING DATE: 1997-08-14

; NUMBER OF SEQ ID NOS: 5674

; SEQ ID NO 4608

; LENGTH: 224

; TYPE: PRT

; ORGANISM: Staphylococcus epidermidis

US-09-134-001C-4608

Query Match 15.8%; Score 179; DB 4; Length 224;

Best Local Similarity 23.4%; Pred. No. 3.8e-12;

Matches 49; Conservative 51; Mismatches 99; Indels 10; Gaps 6;

Qy 14 MDPLHAYLVGLVFVITFFNPGANLFVVVOTSLASGRAGVLTGLGVALGDAFYSGGLGF 73

Db 15 MDGL-ITFIITLLIIIV--PGPDFIIVMKNTINSSKMGFMFAFGITTTGHILYSLAIF 71

Qy 74 GLATLIQCCEIFSLIRIVGAYLLWFACWS-MRQSTPQMS--TLQOPISAPVYVFFRR 130

Db 72 GIIVILSLHFVLTITKILGACILYILGKISLSAHSVDFSKQALADVNRVSVTTSFRQ 131

Qy 131 GLITDLNPTQVFFIFISFVTL---NAETPTARLMWAGIVLISIIWRVFLSQAFSLP 187

Db 132 GFLSTSLNPKALLFYVSIFPQFLNSGNHMKSEVALFAFS-VVVVICLWFLFCVFIQYI 190

Qy 188 AVRRAYGRMORVASRVITGAIIGVAFRLRI 216

Db 191 KLLFSRPRFRAIFDIYGVFLIGLSINLL 219

RESULT 2

US-09-396-357-2

; Sequence 2, Application US/09396357

; Patent No. 6303348

; GENERAL INFORMATION:

; APPLICANT: LIVSHITS, VITALY ARKADIEVICH

; APPLICANT: ZAKATAEVA, NATALIYA PAVLOVNA

APPLICANT: ALCOSHIN, VLADIMIR VENYAMIOVICH
APPLICANT: BELAREOVA, ALL VALENTINOVNA
APPLICANT: TOKHAKOVA, IRINA LVOVNA
TITLE OF INVENTION: DNA CODING FOR PROTEIN WHICH CONFERS ON BACTERIUM
TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE TO L-HOMOSERINE AND METHOD
TITLE OF INVENTION: FOR PRODUCING L-AMINO ACIDS
FILE REFERENCE: 0010-1039-0
CURRENT APPLICATION NUMBER: US/09/396,357
CURRENT FILING DATE: 1999-09-15
EARLIER APPLICATION NUMBER: RU98118425
EARLIER FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO. 2
LENGTH: 205
TYPE: PRT
ORGANISM: Escherichia coli
US-09-396-357-2

Query Match 11.1%; Score 126.5; DB 4; Length 205;
Best Local Similarity 21.9%; Pred. No. 2.3e-06;
Matches 44; Conservative 48; Mismatches 94; Indels 15; Gaps 6;

QY 12 ITMDPLHAYLVTVGLVFFNFPGANLFWVOTSLASGRRA-GVLTGLGVALGDAFYGL 70
Db 1 MLEWFWFALLT---SIILTLSPGSGAINTMTSLNHGYPAGGVYCVWASDRDGDYCAW 57

QY 71 GLFGATLTQCEEIFSLIRIVGGAYLLWFAMCSMRROSTPOMSTLOQPISAPWYVFFRR 130
Db 58 R-GVGTLSRSRVIAFEVLKAGAAAYLIWLGQWRAGAIIDLKSLASTQSRH--LFQR 113

QY 131 GLITDLSNPQTLEFISFVTLNAETPTWARLWAGIVLASIIRVFLSQAFSLPAVR 190
Db 114 AFVNLNPKSIVFAALEPQIMPQOP---QLMQYIIVGLVTIIVDIIIVMIGYATLAQR 170

QY 191 RAY---GRMQRVASRVIGAI 207
Db 171 IALWIKGPKOMKALNKIFGSL 191

RESULT 3
US-08-476-254-7
Sequence 7, Application US/08476254
Patent No. 5846531
GENERAL INFORMATION:
APPLICANT: WEINER, RONALD M.
APPLICANT: FUQUA, WILLIAM C.
TITLE OF INVENTION: MARINE MELA GENE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: WATSON COLE STEVENS DAVIS, P.L.L.C.
STREET: 1400 K STREET NW
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005-2477
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/476,254
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: POULOS III, JAMES A.
REGISTRATION NUMBER: 31,714
REFERENCE/DOCKET NUMBER: JAP30319C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202 628-0088
TELEFAX: 202 628-8034
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 153 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-476-254-7

Query Match 8.2%; Score 93.5; DB 2; Length 153;
Best Local Similarity 23.1%; Pred. No. 0.0074;
Matches 36; Conservative 34; Mismatches 57; Indels 29; Gaps 6;

QY 45 SLASGRRAAGVLTGLGVALGD---AFYSGLGFLGATLTQCEEIFSLIRIVGGAYL--- 97
Db 4 AMTLGMSCVRRTLMMVYGLAGVALVAIAAVMGVASMMLNYPQLFDILKWVGGLYLGYI 63

QY 98 ---LWFAMCSMR---QSTPQMSTLOQPISAPWYVFFRRGLITDLSNPQTLEFISFV 152
Db 64 GISMWRKAGKMANLNTSSQISN-----RALITQGFVTAIANPKGAWFMISLLPPF 114

QY 153 LNAETPTWARLWAGIVLASIIRVFLSQAFSLPA 188
Db 115 ISVDOAIAPQLM-----VLLSII---MMTEFFSMLA 142

RESULT 4
5474933-4
Patent No. 5474933
APPLICANT: EINER, RONALD M.; FUQUA JR., WILLIAM C.
TITLE OF INVENTION: MARINE MELA GENE
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/148,945
FILING DATE: 08-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 974,837
FILING DATE: 10-NOV-1992
APPLICATION NUMBER: 496,804
FILING DATE: 21-MAR-1990
SEQ ID NO: 4:
LENGTH: 153
5474933-4

Query Match 8.2%; Score 93.5; DB 6; Length 153;
Best Local Similarity 23.1%; Pred. No. 0.0074;
Matches 36; Conservative 34; Mismatches 57; Indels 29; Gaps 6;

QY 45 SLASGRRAAGVLTGLGVALGD---AFYSGLGFLGATLTQCEEIFSLIRIVGGAYL--- 97
Db 4 AMTLGMSCVRRTLMMVYGLAGVALVAIAAVMGVASMMLNYPQLFDILKWVGGLYLGYI 63

QY 98 ---LWFAMCSMR---QSTPQMSTLOQPISAPWYVFFRRGLITDLSNPQTLEFISFV 152
Db 64 GISMWRKAGKMANLNTSSQISN-----RALITQGFVTAIANPKGAWFMISLLPPF 114

QY 153 LNAETPTWARLWAGIVLASIIRVFLSQAFSLPA 188
Db 115 ISVDOAIAPQLM-----VLLSII---MMTEFFSMLA 142

RESULT 5
US-09-134-001C-4026
Sequence 4026, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779

;; PRIOR FILING DATE: 1997-08-14
;; NUMBER OF SEQ ID NOS: 5674
;; SEQ ID NO 4026
;; LENGTH: 173
;; TYPE: PRT
;; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4026

Query Match 7.9%; Score 90; DB 4; Length 173;
Best Local Similarity 21.1%; Pred. NO. 0.021;
Matches 35; Conservative 36; Mismatches 71; Indels 24; Gaps 6;

QY 62 LGDAFYSGLGFLGATLITQCEEFSLIRIVGGAYLLFWFANCSMRQSTPQWSTLQ--QP 119
DB 16 LCDFTFLIVIALGVSLIDLSIMPTLQLFYIIIGFLFMYMAWSLW---TERPSNIEETEP 71
QY 120 ISAPWYVFRRLGLITDLSNPOTVLFFISFVTLNAETPTWARLMAWAGIVLASIIVWF 179
DB 72 MSARKQILF--ALSLSLNPALMDTVGVIGTSASV-YDGDKVVFSLATISVSWINVF 128
QY 180 LSAFSLPAVRAYGRMOR-----VASRVIGAIIGVFALRLI 216
DB 129 LA-----ILGRITGKDCKYIVILNKVSSVIVVGLIILKNI 168

RESULT 6

US-09-134-001C-3929
; Sequence 3929, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:

;; APPLICANT: Lynn Doucette-Stamm et al
;; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
;; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
;; FILE REFERENCE: GTC-007
;; CURRENT APPLICATION NUMBER: US/09/134,001C
;; CURRENT FILING DATE: 1998-08-13
;; PRIOR APPLICATION NUMBER: US 60/064,964
;; PRIOR FILING DATE: 1997-11-08
;; PRIOR APPLICATION NUMBER: US 60/055,779
;; PRIOR FILING DATE: 1997-08-14
;; NUMBER OF SEQ ID NOS: 5674
;; SEQ ID NO 3929
;; LENGTH: 206
;; TYPE: PRT

;; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3929

Query Match 7.2%; Score 82; DB 4; Length 206;
Best Local Similarity 21.8%; Pred. NO. 0.21;
Matches 47; Conservative 41; Mismatches 62; Indels 66; Gaps 11;

QY 21 YLTVGLFVITFPNPGANLFVVVQTSLSAGRRAGVLTGLGVALGDAFYSGLGFLGATLIT 80
DB 40 YLYTGIMLIAGIS-----YVFYORDIASKR---LITSIGMGI-----ITSVALIII 82
QY 81 QCEEFSLIRIVGGAYLLFWFANCSMRQSTPQWSTLQOPIAPWYVFRRLGLITDLSNPQ 140
DB 83 QL--IFSLI-----SSLSYASLIKLSRTG-VYFKWQMLV----- 115
QY 141 TVLFPI---SFSVTLNAETPTWARLMAWAGIVLAS-----IIWRVFLSQA 183
DB 116 TLLFVIPCHELVMRTVLQKELIKYNLPKAWASILVAICSSSLFIYLDNWNWIVFFIFVAOF 175
QY 184 FSLPAVRAYGRMQRVSRVIGAIIGVFALRLIYEG 219
DB 176 I-----LSLSYETTRIIATTIGQIVAIILL-LIFHG 206

RESULT 7

US-07-732-242C-7
; Sequence 7, Application US/07732242C
; Patent No. 5298399
; GENERAL INFORMATION:

;; APPLICANT: Uozumi, Takeshi; Masaki, Haruhiko;
;; APPLICANT: Hidaka, Makoto; Nakamura, Akira;
;; APPLICANT: Maeda, Michihisa; Yoneta, Yasuo
;; TITLE OF INVENTION: Gene of Urease
;; NUMBER OF SEQUENCES: 14
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Frishauf, Holtz, Goodman & Woodward, P.C.
;; STREET: 600 Third Avenue
;; CITY: New York
;; STATE: New York
;; COUNTRY: USA
;; ZIP: 10016-2088
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5 inch, 0.72mb
;; COMPUTER: IBM PC compatible (NEC PC-9801 RX)
;; OPERATING SYSTEM: MS DOS
;; SOFTWARE: ASCII Form
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/732,242C
;; FILING DATE: 19910718
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: JPN 2-210178
;; FILING DATE: 10-AUG-1990
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Goodman, Herbert
;; REGISTRATION NUMBER: 17081
;; REFERENCE/DOCKET NUMBER: 910533/HG
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212)972-1400
;; TELEFAX: (212)370-1622
;; TELEX: 236268

;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 222 amino acids
;; TYPE: AMINO ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-07-732-242C-7

Query Match 7.1%; Score 81; DB 1; Length 222;
Best Local Similarity 22.0%; Pred. NO. 0.3;
Matches 51; Conservative 37; Mismatches 90; Indels 54; Gaps 12;

QY 14 MDPLHAVYLTGVLFTVFITFPNPGANLFVVVQTSLSAGRRAGVLTGLGVALGDAFYSGLG 72
DB 21 MEPDHVIAVST-----IVCQSKLWRSLSAGVFWGIG-----HVTSLI 59
QY 73 FGLATLITQ---CEEFSLIRIVGGAYLLWF---AWCSMRQSTPQWSTLQOPIAPWYV 126
DB 60 FGMTILMKKISQWMSMSLEFLVGLIILVYFGISAILSUKKTHEHSRSLHLHTDPIYT 119
QY 127 FFRGLITDLSNPOTVLFFISIFS-----VTLNAETPTWARLM-----AWAGIVLA 172
DB 120 Y--KGI-----PYVKSIFIGIHLGSAAMVLLTMTVEKAWGGLLYILFFGAGTVLG 171
QY 173 SIINRVLSQAFSLPAVRAYGRMQRVSRVIGAIIGVFALRLIVE-GVTOR 223
DB 172 MLSFTTLIGIPITLSA-RKI--RHNAFIQITGTFSTVFGIHYMNLGVTD 220

RESULT 8

US-09-351-224E-8
; Sequence 8, Application US/09351224E
; Patent No. 6388171
; GENERAL INFORMATION:
;; APPLICANT: Duwick, Jon
;; APPLICANT: Maddox, Joyce
;; APPLICANT: Gilliam, Jacob
;; APPLICANT: Folkerts, Otto
;; APPLICANT: Crasta, Oswald R.
;; TITLE OF INVENTION: Compositions and Methods for Fumonisin

;; TITLE OF INVENTION: Detoxification
;; FILE REFERENCE: 5718-111
;; CURRENT APPLICATION NUMBER: US/09/351,224E
;; CURRENT FILING DATE: 1999-07-12
;; NUMBER OF SEQ ID NOS: 11
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 8
;; LENGTH: 525
;; TYPE: PR
;; ORGANISM: Exophiala spinifera
US-09-351-224E-8

Query Match 7.0%; Score 79.5; DB 4; Length 525;
Best Local Similarity 23.8%; Pred. No. 1.4;
Matches 48; Conservative 35; Mismatches 80; Indels 39; Gaps 8;
QY 22 LTVGLFVITFF-----NPGA-NLFVVVQTSLSARRAGVLTGLGVALCDAPYSLGLGFG 74
Db 201 LTIALFVTSFIAILARSNPKNPNSQVWTAMSNYTGSDGVCFILG--LSTSCFMFIGLDA 258
QY 75 LATLITQCEIEFSLI-RIVGGAYLLWFAWCSMRROSTPQMSTLQQPISAPWVYVFFRGLI 133
Db 259 AMHLAECTDAARTPKAVVSAIIIGF--CT-----APFYIIAVLYG-I 299
QY 134 TDLNPNQTVLFFISFISVTLNATPTWRLMAGIVLASIIRVFLSQAFSLPAVRAY 193
Db 300 TDLNLSAGYIPETMTQSLRSLSFATVLSGCGIVMA-----FFALNAVQETA 349
QY 194 GMQVRSRVIGAIIGVFAIRL 215
Db 350 SRLTWSFARDNGLVFSTHLERI 371

RESULT 9
US-09-103-754A-5
; Sequence 5, Application US/09103754A
; Patent No. 6344548
; GENERAL INFORMATION:
; APPLICANT: Farese, Robert
; APPLICANT: Cases, Sylvaine
; APPLICANT: Smith, Steven
; APPLICANT: Erickson, Sandra
; TITLE OF INVENTION: Diacylglycerol O-acyltran
; TITLE OF INVENTION: sferase
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/103,754A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Field, Bret E
; REGISTRATION NUMBER: 37,620
; REFERENCE/DOCKET NUMBER: 6510-105p
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650 327 3400
; TELEFAX: 650 327 3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 5:

;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 498 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-09-103-754A-5
Query Match 6.8%; Score 77.5; DB 4; Length 498;
Best Local Similarity 22.0%; Pred. No. 2.1;
Matches 42; Conservative 28; Mismatches 62; Indels 59; Gaps 9;
QY 2 MOLVHLFMDITMDPLHAYLVLTGVLVITFFPFGANLFFVVQTSLSAG---RRAGVLTG- 57
Db 127 IQVVSFLKDPYSWAPCVIIASNFVVAFAQ-----IEKRLAVGALTQMGLLLHV 178
QY 58 LEVALGDAPYSLGLFGLATLITQCEIEFSLIRIVGGAYLLWF-----AWCSMR 107
Db 179 VNLATIIICPPAAVAL--LVESITPVGSVEAL-----ASYSIMFLKLYSYRDVNLWCRR 231
QY 108 QSTPMST-----LQOPISAP-----WYVFFRGLITDLSNPOT----- 141
Db 232 VKAKAVSTGKVKVGAQAQVSPDNLTYRDLYIFIFAPTCLCYELNFPSPRIKRELLR 291
QY 142 ----VLFFISI 148
Db 292 RVLEMLFTQL 302
RESULT 10
US-09-134-001C-4857
; Sequence 4857, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4857
; LENGTH: 348
; TYPE: PR
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4857
Query Match 6.7%; Score 75.5; DB 4; Length 348;
Best Local Similarity 19.5%; Pred. No. 2.2;
Matches 43; Conservative 44; Mismatches 78; Indels 55; Gaps 9;
QY 2 MOLVHLFMDITMDPLHAYLVLTGVLVITFFPFGANLFFVVQTSLS--ASGRAGVLTGLG 59
Db 90 LAIAGLLMQAITKNPLASPO-----IFGVNAGASFVILVITLIPSLGYSYSLIAIIG 142
QY 60 VALGDAPYSLGLFGLATLITQCEIEFSL-IRIVGGAYLLWFAWCSMRROSTPQMSTLQ 118
Db 143 AFLGG-----FTVYTLGSGTKSTPIKIALAGMAHLFF-----SSMTQ 181
QY 119 PISAPWYVFFRGLITDLSNPOTVLFFI--SIFSVTNAETPTWRLMAGIVLASIIR 176
Db 182 GI-----IILNEDSNDTVMLVGLVSLAGI-----KWQIIIFILPELLLAIFV 223
QY 177 RVFLSQAFSL----PAVERAYGRMQRVASRVIGAIIGVFA 212
Db 224 TIFMGRQLTILELGDGIARGLQGRTEIVRMIVGILVWVLA 263
RESULT 11

Db 8 ALFL---VMAIASPGDLPFOIIRLS-AKNRRDGVLTAVGIMVGNISWIIASLIGLSAL 63
QY 79 IQCEEISLIRIVGGAYLLWFACWSMR-----RQSTPQMSLTQOPI-----SAPW 124
Db 64 ISTYPAIINLLQVLGGYLTWNGIGAVRSWTKRSTQQAADSQAVENTLVATAASGV 123
QY 125 YVFERGLTIDLSNPQTQVFFISFVSNTNAETPTWARLMAWAGIVLASIIRVFLSQAF 184
Db 124 WPAISGATNLSNKAFLVFGSFAQFVRPDMGIGWSIFGVFTLTGLLWVFV---GF 179
QY 185 SUPAVRAYGRMQRVASRVIGAILGVFALRL-----IYEGV 220
Db 180 AVLVRKLAAGLRNGA--IIDLLTGVIIFGLGMEFEGV 217

RESULT 2

US-09-738-626-6418
; Sequence 6418, Application US/09738626
; Publication No. US20020197605A1

GENERAL INFORMATION:

; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MIZOGUCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
; APPLICANT: OCHIAI, KEIKO
; APPLICANT: YOKOI, HARUHIKO
; APPLICANT: TATEISHI, NAKO
; APPLICANT: SENOH, AKIHIRO
; APPLICANT: IKEDA, MASATO
; APPLICANT: OKAZAKI, AKIO

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-125
; CURRENT APPLICATION NUMBER: US/09/738,626
; CURRENT FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: JP 99/377484
; PRIOR FILING DATE: 1999-12-16
; PRIOR APPLICATION NUMBER: JP 00/159162
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: JP 00/280988
; PRIOR FILING DATE: 2000-08-03
; NUMBER OF SEQ ID NOS: 7059

; SOFTWARE: PatentIn ver. 3.0

; SEQ ID NO 6418

; LENGTH: 207

; TYPE: PRT

; ORGANISM: Corynebacterium glutamicum

US-09-738-626-6418

Query Match 15.8%; Score 179; DB 11; Length 207;

Best Local Similarity 31.6%; Pred. No. 4.2e-11;

Matches 65; Conservative 32; Mismatches 87; Indels 22; Gaps 9;

QY 19 AVLVTVGLVITFFPNPGANLFVVVQTSLSAGRRAGVLTGLGVALGDAFYSGLGFLGLATL 78

Db 10 ALALLVALAV-----PGPDL-VLVLSATRGIRTGVMTAAGIMTGLMLHASLAIAGATAL 63

QY 79 IQCEEISLIRIVGGAYLLWFACWSMR-RQSTPQMSLTQOPIAPVTVFFRGLITDLS 137

Db 64 LLSAPGVLSAQLLGGAYLLWMTNMFASQNTGSETAASQSSAGYP---RGFTINAT 119

QY 138 NPQTVLFTISFVSFL-NAETPTWARLMAWAGIVLASIIRVFLSQAFSLPAVRAYGRM 196

Db 120 NPKALLFAAILPQFIGNEDKMTLALCATIVLGSAWNL-----GTALVRGIG-L 172

QY 197 QRV---ASRVIGAILGVFALRLIYEGV 220

Db 173 OKLPSADRII-TLVGGIALFLIGACL 197

RESULT 3

US-10-156-761-10918

; Sequence 10918, Application US/10156761

; Publication No. US20030119018A1

; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-262

; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29

; PRIOR APPLICATION NUMBER: JP 2001-204089

; PRIOR FILING DATE: 2001-05-30

; PRIOR APPLICATION NUMBER: JP 2001-272697

; PRIOR FILING DATE: 2001-08-02

; NUMBER OF SEQ ID NOS: 15109

; SEQ ID NO 10918

; LENGTH: 217

; TYPE: PRT

; ORGANISM: Streptomyces avermitilis

US-10-156-761-10918

Query Match 15.4%; Score 175; DB 15; Length 217;

Best Local Similarity 27.9%; Pred. No. 1.2e-10;

Matches 60; Conservative 34; Mismatches 97; Indels 24; Gaps 8;

QY 21 YLVTVGLVITFFPNPGANLFVVVQTSLSAGRRAGVLTGLGVALGDAFYSGLGFLGLATLIT 80

Db 10 YL-AGLVILVLL-PGPNSLYVLSVAARKGVAGYTAAGVWCGDTVLTMTLSAAGVASLLQ 67

QY 81 QCEEISLIRIVGGAYLLWFACWSMR-----RQSTPQMSLTQOPIIS-----APVTVFFR 129

Db 68 ANALFEGIVKYAGAGYLTWLAFLGMLRAAWEMWRTDRADAARAPVAVGERP-----FR 123

QY 130 RGLITDLSNPQTVLFFISF--SVTLNAETPTWARLMAWAGIVLASIIRVFLSQAFSLP 187

Db 124 RAFVVSILNPKAILFFVAFVDFVDPGYAYPALSFVVLGFAQLASFLYLTAL--IFSCT 181

QY 188 AVRRAYGRMQRV---ASRVIGAILGVFALRLIYEG 219

Db 182 KLAARFRKRRLSAGATTAAAGALFLGFAVKLTLAG 216

RESULT 4

US-10-156-761-11297

; Sequence 11297, Application US/10156761

; Publication No. US20030119018A1

GENERAL INFORMATION:

; APPLICANT: OMURA, SATOSHI

; APPLICANT: IKEDA, HARUO

; APPLICANT: ISHIKAWA, JUN

; APPLICANT: HORIKAWA, HIROSHI

; APPLICANT: SHIBA, TADAYOSHI

; APPLICANT: SAKAKI, YOSHIYUKI

; APPLICANT: HATTORI, MASAHIRA

; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES

; FILE REFERENCE: 249-262

; CURRENT APPLICATION NUMBER: US/10/156,761

; CURRENT FILING DATE: 2002-05-29

; PRIOR APPLICATION NUMBER: JP 2001-204089

; PRIOR FILING DATE: 2001-05-30

; PRIOR APPLICATION NUMBER: JP 2001-272697

; PRIOR FILING DATE: 2001-08-02

; NUMBER OF SEQ ID NOS: 15109

; SEQ ID NO 11297

; LENGTH: 205

; TYPE: PRT

; ORGANISM: Streptomyces avermitilis

US-10-156-761-11297

Query Match

Best Local Similarity

14.8%; Score 168; DB 15; Length 205;

25.9%; Pred. No. 6e-10;


```

, TITLE OF INVENTION: NOVEL POI:NUCLEOTIDES
, FILE REFERENCE: 249-262
, CURRENT APPLICATION NUMBER: US/10/156,761
, CURRENT FILING DATE: 2002-05-29
, PRIOR APPLICATION NUMBER: JP 2001-204089
, PRIOR FILING DATE: 2001-05-30
, PRIOR APPLICATION NUMBER: JP 2001-272697
, PRIOR FILING DATE: 2001-08-02
, NUMBER OF SEQ ID NOS: 15109
, SEQ ID NO 7796
, LENGTH: 224
, TYPE: PRT
, ORGANISM: Streptomyces avermitilis
US-10-156-761-7796

```

Query Match.	12.4%;	Score 140.5;	DB 15;	Length 224;
Best Local Similarity	22.4%;	Pred. No. 5.6e-07;		
Matches	46;	Conservative 38;	Mismatches 78;	Indels 43; Gaps 6;

QY	24	VGLFVITFFPNPGANLFWVWOTSL---ASGRRRAGVLTLGVALGDADFYSGLGLFLGFLAYLLIT	80
	:	: : : : : : : :	:
Db	9	LGVVLVAVYVPGPDFLVVVRSATSEHPAKGRAA----ALGAOSGLCVHMLAAAYVGLSILIAA	64
	:	: : : : : : : :	:
QY	81	QCBEIFSLIRIVGGAYLLWF---AWCSMRRQ-----STPQMSTLOOPI	120
	:	: : : : : : : : : : : : :	:
Db	65	RSPAVYDAIRLLGAAYLYVLGVRAVLAARAEARAARGAVGGVEDGTDPRTPEEPAPA	124
	:	: : : : : : : :	:
QY	121	SAPWYFFFRGLLTDLNSNPOTLVLFISFVSVTNAETPTWARLM-----AWAG	168
	:	: : : : : : : : :	:
Db	125	HGRWRSGTGGFTINVLNPKAAFLFLSIQLPFVHGGSSTRSQIFFLTLDIVIGVAYWFA	184
	:	: : : : : : : : :	:
QY	169	IVLASIIRWRYFLSQAFSLPAVRRAY	193
	:	: : : : : : :	:
Db	185	LVVAARLARAFRLAR---PKVRIGW	205
	:	: : : : : : :	:

RESULT 8
 US-09-927-395-2
 ; Sequence 2, Application US/09927395
 ; Patent No. US20020058314A1
 ; GENERAL INFORMATION:
 ; APPLICANT: LIVSHITS, VITALY ARKADIEVICH
 ; APPLICANT: ZAKHAROVA, NATALIA PAVLOVNA
 ; APPLICANT: AKCOSHIN, VLADIMIR VENYAMIOVICH
 ; APPLICANT: BELAREOVA, ALL VALENTINOVNA
 ; APPLICANT: TOKHMAKOVA, IRINA LVOVNA
 ; TITLE OF INVENTION: DNA CODING FOR PROTEIN WHICH
 ; TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE
 ; TITLE OF INVENTION: FOR PRODUCING L-AMINO ACIDS
 ; FILE REFERENCE: 0010-1039-0
 ; CURRENT APPLICATION NUMBER: US/09/927,395
 ; CURRENT FILING DATE: 2001-08-13
 ; PRIOR APPLICATION NUMBER: 09/396,357
 ; PRIOR FILING DATE: 1999-09-15
 ; PRIOR APPLICATION NUMBER: R098118425
 ; PRIOR FILING DATE: 1998-10-13
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 205
 ; TYPE: PRT
 ; ORGANISM: Escherichia coli
 US-09-927-395-2

	Query Match	11.18;	Score 126.5;	DB 10;	Length 205;
	Best Local Similarity	21.94;	Pred. No. 1.5e-05;		
	Matches 44;	Conservative	48;	Mismatches 94;	Indels 15; Gaps 6;
QY	12	ITMDPLHAVLYLTGCLFVITTFNPGANLFVVYVQTSLASGRRA-GVLTGLGVALGDFAFYSGL	70		
		: : : : : : : : : : : : : : : :			
Dd	1	MTLEWFEAYLLT---SILTLSPGSGAINTMTTSLNHGYAGGYYVCWASDRTGSYCAGW	57		
QY	71	GFGIATLIITQCEEIFSLIRIVGGAYLLTWAFWCSSMRQSTPQMSTLOQPISAPGWVFERR	130		

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132      | : | : : | : : | | | : | | : : | : : | : : |
58 R -GVGTFSEKSVIAEEVLKWAAGAYLIINLGIOQNRAGAIDUKSLASTQSRH--LPQR 113

131 GLITDSNPOTVLIFFISFVTLNAETPTWARLMWAGIVLASLIINRVFELQOAFSLPAVK 190
   | : | : : | : : | : : | : : | : : | : : | : : |
114 AVFVNLTPKSVIFELAAFLQFIMPQPF--QLMQYIVLGVTIIVDLIIVMIGVATLAOR 170

191 RAY-----GRMQRVASRVIGAT 207
   | : : : :
171 IALWIKGPKOMKALNKIFGSL 191
Db

```

RESULT 9
 US-09-847-392-2
 : Sequence 2, Application US/09847392
 : Patent No. US20020102670A1
 : GENERAL INFORMATION:
 : APPLICANT: LYSHTITS, VITALY ARKADIEVICH
 : APPLICANT: ZAKATAEVA, NATALIYA PAVLOVNA
 : APPLICANT: ALCOSHIN, VLADIMIR VENYAMIOVICH
 : APPLICANT: BELAREOVA, ALL VALENTINOVNA
 : APPLICANT: TOKHMAKOVA, IRINA LVOVNA
 : TITLE OF INVENTION: DNA CODING FOR PROTEIN WHICH CONFERS ON BACTERIUM
 : TITLE OF INVENTION: ESCHERICHIA COLI RESISTANCE TO L0-HOMOSERINE AND METHO
 : TITLE OF INVENTION: FOR PRODUCING L-AMINO ACIDS
 : FILE REFERENCE: 0010-1039-0
 : CURRENT APPLICATION NUMBER: US/09/847,392
 : CURRENT FILING DATE: 2001-05-03
 : PRIOR APPLICATION NUMBER: 09/396,357
 : PRIOR FILING DATE: 1999-09-15
 : PRIOR APPLICATION NUMBER: RU98118425
 : PRIOR FILING DATE: 1998-10-13
 : NUMBER OF SEQ ID NOS: 2
 : SOFTWARE: PatentIn Ver. 2.1
 : SEQ ID NO 2
 : LENGTH: 205
 : TYPE: PRT
 : ORGANISM: Escherichia coli
 US-09-847-392-2

Query Match	11.18;	Score 126.5;	DB 11;	Length 205;
Best Local Similarity	21.94;	Pred. No. 1.5e-05;		
Matches 44; Conservative 48; Mismatches 94; Indels 15; Gaps 6;				
Qy	12	ITMDPLHAYLTVGLFVITFENPGANLFVVVQTSLSGERRA-GVLTGLGVALGDADFVSGL	70	
Db	1	MTLEWFAAYLLT---SILLTSPGSGAINTWTTSLNHGYPAGGYVCWASDRDTSYCAWG	57	
Qy	71	GLFGLATLTQCEIFSLIRIVGAYLLWFAWCSMRRQRSTPQMSTLQOIPISAPWVVFRR	130	
Db	58	R--GVGTLFSRSVIAFEVLKWAGAAYLTLWLGIOQWRAAGAILDKSLASTQSRHH--LFQR	113	
Qy	131	GLITDLNQPQVLFPISEFVTLNAETPTWRLNAWAGIVLASIIWRVLSQAFSLPAVR	190	
Db	114	AFVNLNPKSIVEALPFOFIWPOQD---OLMQYIVLGVTTIVDIIVMIGIATLAQR	170	
Qy	191	RAY----GRMQRVASRVIGAI	207	
Db	171	IALWIKGPOMKALNKIPGSL	191	

RESULT 10
US-10-156-761-8659
; Sequence 8659, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HAKITORI, MASAHIRA

;; CURRENT FILING DATE: 2000-12-22
;; PRIOR APPLICATION NUMBER: 09/606740
;; PRIOR FILING DATE: 2000-06-23
;; PRIOR APPLICATION NUMBER: 09/603124
;; PRIOR FILING DATE: 2000-06-23
;; PRIOR APPLICATION NUMBER: 60/141031
;; PRIOR FILING DATE: 1999-06-25
;; PRIOR APPLICATION NUMBER: 60/142101
;; PRIOR FILING DATE: 1999-07-02
;; PRIOR APPLICATION NUMBER: 60/148613
;; PRIOR FILING DATE: 1999-08-12
;; PRIOR APPLICATION NUMBER: 60/187970
;; PRIOR FILING DATE: 2000-03-09
;; PRIOR APPLICATION NUMBER: DE 19931420.9
;; PRIOR FILING DATE: 1999-07-08
;; NUMBER OF SEQ ID NOS: 125
;; SOFTWARE: PatentIn Vers. 2.0
;; SEQ ID NO 52
;; LENGTH: 233
;; TYPE: PRT
;; ORGANISM: Corynebacterium glutamicum
US-09-746-660A-52

Query Match 8.1%; Score 92; DB 12; Length 233;
Best Local Similarity 22.9%; Pred. No. 0.081;
Matches 54; Conservative 33; Mismatches 101; Indels 48; Gaps 10;
QY 22 LTVGLFVITFFNPGANLVVVQTSLSGRRAGVLTGLGVAL-GDAFYSGLGFLGLATLIT 80
DB 8 LLLGASLLSISGP-QNVLVIKQ-----GIKREGLIAVLLVCLISDVFLFIAGTGLGVDLLSN 62
QY 81 QCEEIFSLIRIVGGAYLLWFAMCSMRROST-----POMSTLQOPI SAP----- 123
DB 63 AAPVLDIMRWGGIAYLLWFAMVAAKADMTNKVEAPQIIEETEP-TVPDDTPLGGSVAT 121
QY 124 -----WVFFRRGLITDLSNPQVTL-FFSIFSVTLNAETPTWARLMA 165
DB 122 DTRNRVRVEVSVDKQVWVKPMLMAIVLTWLPNAYLDAFVFIGGV--GAQYGDGTGRWIF 179
QY 166 WAGIVLASIIRVFLSQAFSLPAVRAYG--RMQRVASRVIGAIIGVFALRIIYEG 219
DB 180 AAGAFASLIW--FPLVGFAGAAALSRPLSSPKVWRWINVVAVVMTALAIAKLMLMG 233

RESULT 14
US-10-196-232-25
;; Sequence 25, Application US/10196232
;; Publication No. US20030113899A1
;; GENERAL INFORMATION:
;; APPLICANT: YAMAGUCHI, MIKIO
;; APPLICANT: ITO, HISAO
;; APPLICANT: GUNJI, YOSHIYA
;; APPLICANT: YASUEDA, HISASHI
;; TITLE OF INVENTION: METHOD FOR PRODUCING L-ARGININE
;; FILE REFERENCE: 225391US0
;; CURRENT APPLICATION NUMBER: US/10/196,232
;; PRIOR FILING DATE: 2002-07-17
;; PRIOR APPLICATION NUMBER: JP 2001-224586
;; PRIOR FILING DATE: 2001-07-25
;; NUMBER OF SEQ ID NOS: 35
;; SOFTWARE: PatentIn version 3.1
;; SEQ ID NO 25
;; LENGTH: 233
;; TYPE: PRT
;; ORGANISM: Corynebacterium glutamicum
US-10-196-232-25

Query Match 8.1%; Score 92; DB 15; Length 233;
Best Local Similarity 22.9%; Pred. No. 0.081;
Matches 54; Conservative 33; Mismatches 101; Indels 48; Gaps 10;
QY 22 LTVGLFVITFFNPGANLVVVQTSLSGRRAGVLTGLGVAL-GDAFYSGLGFLGLATLIT 80

DB 8 LLLGASLLSISGP-QNVLVIKQ-----GIKREGLIAVLLVCLISDVFLFIAGTGLGVDLLSN 62
QY 81 QCEEIFSLIRIVGGAYLLWFAMCSMRROST-----POMSTLQOPI SAP----- 123
DB 63 AAPVLDIMRWGGIAYLLWFAMVAAKADMTNKVEAPQIIEETEP-TVPDDTPLGGSVAT 121
QY 124 -----WVFFRRGLITDLSNPQVTL-FFSIFSVTLNAETPTWARLMA 165
DB 122 DTRNRVRVEVSVDKQVWVKPMLMAIVLTWLPNAYLDAFVFIGGV--GAQYGDGTGRWIF 179
QY 166 WAGIVLASIIRVFLSQAFSLPAVRAYG--RMQRVASRVIGAIIGVFALRIIYEG 219
DB 180 AAGAFASLIW--FPLVGFAGAAALSRPLSSPKVWRWINVVAVVMTALAIAKLMLMG 233

RESULT 15
US-09-738-626-6955
;; Sequence 6955, Application US/09738626
;; Publication No. US20020197605A1
;; GENERAL INFORMATION:
;; APPLICANT: NAKAGAWA, SATOSHI
;; APPLICANT: MIZOGUCHI, HIROSHI
;; APPLICANT: ANDO, SEIKO
;; APPLICANT: HAYASHI, MIKIO
;; APPLICANT: OCHIAI, KEIKO
;; APPLICANT: YOKOI, HARUHIKO
;; APPLICANT: TATEISHI, NAKO
;; APPLICANT: SENOH, AKIHIRO
;; APPLICANT: IKEDA, MASATO
;; APPLICANT: OZAKI, AKIO
;; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
;; FILE REFERENCE: 249-125
;; CURRENT APPLICATION NUMBER: US/09/738,626
;; CURRENT FILING DATE: 2000-12-18
;; PRIOR APPLICATION NUMBER: JP 99/377484
;; PRIOR FILING DATE: 1999-12-16
;; PRIOR APPLICATION NUMBER: JP 00/159162
;; PRIOR FILING DATE: 2000-04-07
;; PRIOR APPLICATION NUMBER: JP 00/280988
;; PRIOR FILING DATE: 2000-08-03
;; NUMBER OF SEQ ID NOS: 7059
;; SOFTWARE: PatentIn ver. 3.0
;; SEQ ID NO 6955
;; LENGTH: 236
;; TYPE: PRT
;; ORGANISM: Corynebacterium glutamicum
US-09-738-626-6955

Query Match 8.1%; Score 92; DB 11; Length 236;
Best Local Similarity 22.9%; Pred. No. 0.083;
Matches 54; Conservative 33; Mismatches 101; Indels 48; Gaps 10;
QY 22 LTVGLFVITFFNPGANLVVVQTSLSGRRAGVLTGLGVAL-GDAFYSGLGFLGLATLIT 80
DB 11 LLLGASLLSISGP-QNVLVIKQ-----GIKREGLIAVLLVCLISDVFLFIAGTGLGVDLLSN 65
QY 81 QCEEIFSLIRIVGGAYLLWFAMCSMRROST-----POMSTLQOPI SAP----- 123
DB 66 AAPVLDIMRWGGIAYLLWFAMVAAKADMTNKVEAPQIIEETEP-TVPDDTPLGGSVAT 124
QY 124 -----WVFFRRGLITDLSNPQVTL-FFSIFSVTLNAETPTWARLMA 165
DB 125 DTRNRVRVEVSVDKQVWVKPMLMAIVLTWLPNAYLDAFVFIGGV--GAQYGDGTGRWIF 182
QY 166 WAGIVLASIIRVFLSQAFSLPAVRAYG--RMQRVASRVIGAIIGVFALRIIYEG 219
DB 183 AAGAFASLIW--FPLVGFAGAAALSRPLSSPKVWRWINVVAVVMTALAIAKLMLMG 236

Search completed: July 21, 2003, 08:36:28
Job time : 23 secs